BC, BCE, AD, CE, AC/DC

AND THE

ROMAN TRAJECTORY

Historical Sun-Darkenings

In the year B.C. 44, about the time of the death of Julius Cæsar, when we read in Plutarch and Dio Cassius that the sun was paler than usual for a whole year, and gave less heat, the air continuing cold and misty. The darkness for two hours on August 22, A.D. 358, appears to have preceded the great earthquake of Nicomedia. **nature.com/articles/020189a0**

How Far Did Ancient Rome Spread?

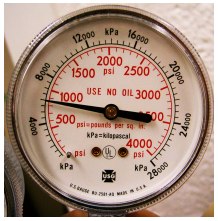
The empire reached its peak in **117 A.C.** when it fortified its borders and reached all the way into England. The year 395 was the last time that the whole empire was united under one emperor. After that, the western half split off and collapsed within a century. In the east, the Roman Empire—also known as the Byzantine Empire—continued on for over a millennium.

history.com/news/ancient-roman-empire-map-julius-caesar-conquests

arrowheads used by Roman auxiliary troops from Syria, Crete and Scythia
Tri-lobite (3 vanes) bronze arrowheads Graeco - Scythian 5th C. BC - 250 AD
average weight 2 gram - 21 - 30 mm
Greek 4th Century BC leaf shape barbed 7 gr 40 mm
Roman archer between 2 ballista
Illyrian bullet shaped 4 gram 33 mm 5th Century BC

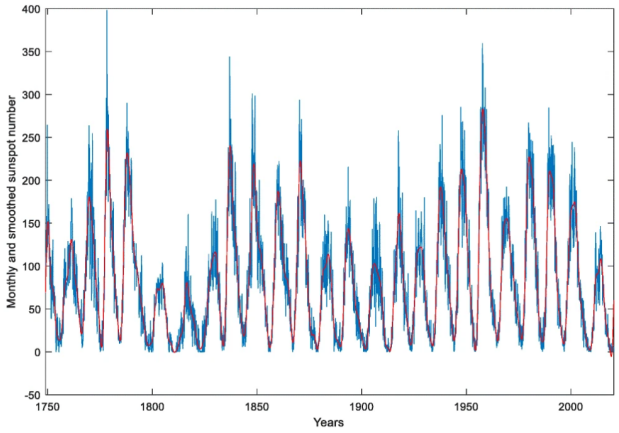
cointalk.com/threads/ancient-roman-arrowheads.331245/

Record high solar irradiance in Western Europe during first COVID-19 lockdown largely due to unusual weather



SOLAR MAGNETIC PRESSURE WARNING

The Netherlands recorded the highest surface irradiance since 1928, exceeding the previous extreme of 2011 by 13%, and the diffuse fraction of the irradiance measured a record low percentage (38%). The diffuse radiation reaching the surface was only 38% of the total solar irradiance in the period, compared to 49–58% in the other top-ten springs with high irradiance **nature.com/articles/s43247-021-00110-0**



link.springer.com/article/10.1007/s11356-021-13249-2/figures/2

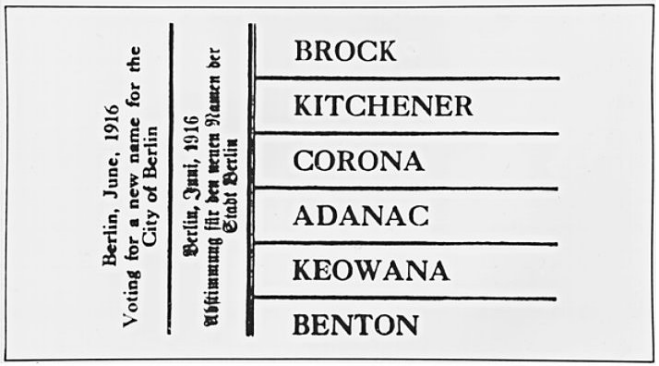
CORONAVIRUS

PRIONIC DISEASE

THE GREAT RECESSION

THE GREAT PLAGUE

THE WAR OF 1812



ALL SOLAR MAGNETIC WEATHER EVENTS